image correction orientation tilt rotate   Advanced Search

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Date: **Before June 01 1998** [Edit this Search]

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1. Multimedia projection system with **image** quality **correction** - Patent
... system with **image** quality **correction** , United States ... polarizer frame having a **tilt** ... Off
angled **orientation** ... radially
http://www.freepatentsonline.com/5975704.html

2. Multimedia projection system with **image** quality **correction** - Patent
... system with **image** quality **correction** , United States ... small adjustment in **tilt** of ... Often
orientation ... is radially
http://www.freepatentsonline.com/5722752.html

3. Date : 7.9.94
Facility (IRTF) for **image** stabilization and **correction** of diffractions caused by atmospheric der
http://irtfweb.ifa.hawaii.edu/~tcs3/systems/hexe/tt_docs/ms43e100.html

4. EMU News Service
Features all the latest new in the field of emulation. Updated daily.
http://www.classicgaming.com/emunews/july97.htm

5. mer landing.qxd
Media Contacts Donald Savage Policy/Program Management 202/358-1547 Headquarters
donald.savage@hq.nasa.gov Washington, D.C. Guy Webster Mars
http://www.larryrussellkellogg.net/merlandings1.pdf

6. adsauthor "Ulrich, R." abstract sloppy Title: Long-Term Variations
In these comparisons, we apply a saturation **correction** factor to the ... Each **image** has been
12-bit precision and represented in a
http://www.astro.uu.nl/~rutten/rrtex/bibfiles/ads/abs/ulrich.txt

7. 55:148,55:247 Chapter 9, Part 2
55:148 Digital **Image** Processing 55:247 **Image** Analysis and Understanding ... The **image** Eu
ordinate system (subscript _i) has axes ...
http://www.icaen.uiowa.edu/~dip/LECTURE/3DVisionP1_2.html

8. Computer Visualization of Three-Dimensional **Image** Data Using IMOD.
... displays a slice cut through the 3-D **image** data in any chosen **orientation** (Fig. ... The user
rotate the volume to any **orientation**.
http://bio3d.colorado.edu/imod/paper/

9. COMPUTER ANALYSIS OF DIFFRACTION DATA Deane K. Smith Department of
... this format is still the **image** used for data presentation in all hard copy forms of ... I data ir
graphical **image** for visual ...
http://www.ccp14.ac.uk/ccp/ccp14/ftp-mirror/snyder/SOURCE/XRD/MSATEXT....

10. NAME: H C PURPOSE: Compute the Holt-Cline cross-section for
... an **image** to a printer (laser or color). Size and **orientation** are automatically ... default froı
time **tilt = correction** for CCD ...
http://cass185.ucsd.edu/help/ssw/yohkoh_h.html

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Date: **Before June 01 1998** [Edit this Search]

WEB RESULTS by (Showing Results 11 - 20 of 332)

11. Seybold Report on Desktop Publishing | Vol 05, Num 08
EFI unveils Cachet color **correction** tools for office use ... Color **correction** of images is more ,
science, as most of us who have ...
http://www.seyboldreports.com/SRDP/dp5/DP05-08.htm

12. Summery of Software by A.McAllister.
GBO_ROT_T..................**Rotate** a full GBO **image**. ... roll angle **correction**. ... disk center, ai
orientation as ... to the solar axis **tilt**
http://hesperia.gsfc.nasa.gov/ssw/yohkoh/ucon/idl/mcallister/readme.so...

13. PubTeX output 2000.03.30:0921
In a teleoperation scenario, **image** stability is maintained by computer-controlled ...
http://human-factors.arc.nasa.gov/publibrary/Adelstein_2000_Head_Roll....

14. PubTeX output 2000.03.30:0921
In a teleoperation scenario, **image** stability is maintained by computer-controlled ...
http://human-factors.arc.nasa.gov/ihh/spatial/papers/pdfs_bda/Adelstei...

15. INTRAN:TRANSPORT:TYPE_CODES
... and Ph = **correction** term resulting from spatial extent of fringing ... 2. ...... ; 20. 90. ; (ret
coordinates to their initial
http://www.triumf.ca/intran/html/intran_18.html

16. ?VR Authoring For The Rest Of Us? PanoMAGIC allows you to
... position in the 360° cylinder of a panorama (X-axis) **Tilt** - Vertical position. ... axis) Panoran
The **image** picture (usually ...
http://www.hcboe.net/Main/Dept/DOIT/PDF%20Files/PANOMAGIC%20Manual%20v...

17. APPENDIX 2 - THE PARAMETERS
Crystal **Orientation** Parameters ... **Image**/Detector Parameters ... **correction** in addition to a
tilt correction. ... range 1-17.
http://www.srs.ac.uk/px/jwc_laue/lg_app2.html

18. Steady-State Fluorescence Polarization Studies of the **Orientation** of ...
Polarization Studies of the **Orientation** of Myosin Regulatory Light Chains in Single Skeletal ...
orientation of this region has been ...
http://intl.biophysj.org/cgi/content/full/74/6/3083

19. Method and apparatus for the interactive display of any portion of a
... user with the ability to pan, **tilt, rotate,** and magnify ... 5 show the camera **orientation** ...
perspective **correction** of an ...
http://images.freepatentsonline.com/5990941.html

20. Title/Abstract: (head or helmet) and mounted display Patent Number
... apparatus for displaying an **image** generated by an **image** generator to a wearer of the app
to project an **image** from the **image** ...
http://www.hitl.washington.edu/scivw/scivw-ftp/citations/hmd-patent-se...

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Date: **Before June 01 1998** [Edit this Search]

WEB RESULTS by 𝐴𝑆𝐾 (Showing Results 21 - 30 of 332)

21. Szeliski.dvi
Printer: Opaque this **Image** Alignment and Stitching Richard Szeliski ABSTRACT ... 1. **Image** /
and Stitching 3

 ...
http://cermics.enpc.fr/~paragios/paragios-chen-faugeras/szeliski.pdf

22. vp-wpma.dvi
Automated **Image**-Based Mapping Eric Bourque Gregory Dudek Mobile Robotics Laboratory Cel
suggest that edge den-sity and **orientation** ...
http://www.cim.mcgill.ca/~mrl/pubs/ericb/wpma98.pdf

23. Bandwidth Market, Ltd
... **image** signals. 40. A method of detecting the transform of an **image** comprising the steps c
a transform of an **image** from an **image**;
http://www.telequipment.com/patent-data/data1/5151822.html

24. Compass Points 21
... used in the final **image**. The resulting **image** is traced in Freehand to get a nice ... compass
will **rotate** with diminishing ...
http://utter.chaos.org.uk/survex/cp/CP21/CPoint21.htm

25. PTO Manual of Classification for US patents
... for trunnion **tilt** 241 ... liquid determines **orientation** ... 314 ..Indicator **image** ... disparity
318 ... 544.1 ...Including ...
http://www.ibiblio.org/patents/class/CLASS33.html

26. Sci.Electronics.Repair FAQ: TV and Monitor CRT (Picture Tube) ...
6.10) Comments on color purity, set **orientation**, and doming ... the number of active **correct**
for focus, geometry and convergence ...
http://www.repairfaq.org/REPAIR/F_crtfaq.html

27. Sci.Electronics FAQ: Repair: TV Repair Notes on TV Repair and
This would be particularly significant for CRTs. The spot on the screen is a reduced focused **ima**
effective shape of the emitting...
http://www.anatekcorp.com/tvrepair.txt

28. Tips Guides Contents Page 2
... constellations turn somersaults during the night while others just **tilt** from side to side? ... fi
local mean time **correction** ...
http://www.telescopesa.za.org/TGHHowTo2.htm

29. Tips and Giudes - How to Use your Telescope (Part 1)
... mirror to make a slightly out-of-focus-star **image** perfectly round when centered. ... declina
where the stars **rotate** around ...

http://telescopesa.za.org/TGHHowTo1.htm

30. <u>Canon EOS FAQ 2.4 - Lenses</u>
... in his "Natural **Image**" newsletter ... scales, and filter threads **rotate**. ... with focusing, so o specific ... to make the ...
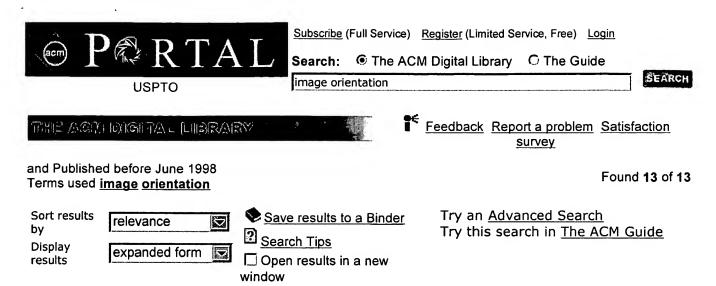http://www.geo.tu-freiberg.de/docs/eos-faq/4lenses.html

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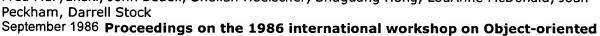Search for **"image correction orientation tilt rotate"** using: <u>MSN</u> <u>Google</u>

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USPTO

and Published before June 1998
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1   **The Data Model Compiler: a tool for generating object-oriented database systems**   ▦
Fred Maryanski, John Bedell, Sheilah Hoelscher, Shuguang Hong, LouAnne McDonald, Joan Peckham, Darrell Stock
September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems**
Publisher: IEEE Computer Society Press

Full text available: 🗎 pdf(929.22 KB)   Additional Information: full citation, abstract, references, citings, index terms

The Data Model Compiler project represents an effort to automatically produce object-oriented database systems. An analysis of data models of this genre leads to the conclusion that their significant differentiating characteristic is the set of fundamental, or built-in, relationships. This observation has lead to the development of a methodology for the generation of object-oriented data models which revolves around the specification of the basic relationships. Initially, the project focuse ...

2   **Texture mapping 3D models of real-world scenes**   ▦
◈ Frederick M. Weinhaus, Venkat Devarajan
December 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 4
Publisher: ACM Press

Full text available: 🗎 pdf(1.98 MB)   Additional Information: full citation, abstract, references, index terms, review

Texture mapping has become a popular tool in the computer graphics industry in the last few years because it is an easy way to achieve a high degree of realism in computer-generated imagery with very little effort. Over the last decade, texture-mapping techniques have advanced to the point where it is possible to generate real-time perspective simulations of real-world areas by texture mapping every object surface with texture from photographic images of these real-world areas. The techniqu ...

Keywords: anti-aliasing, height field, homogeneous coordinates, image perspective transformation, image warping, multiresolution data, perspective projection, polygons, ray tracing, real-time scene generation, rectification, registration, texture mapping, visual simulators, voxels

3   **The evolution of the Sperry Univac 1100 series: a history, analysis, and projection**   ▦
B. R. Borgerson, M. L. Hanson, P. A. Hartley

January 1978 **Communications of the ACM**, Volume 21 Issue 1
Publisher: ACM Press
Full text available: pdf(1.89 MB)   Additional Information: full citation, abstract, citings, index terms

The 1100 series systems are Sperry Univac's large-scale mainframe computer systems. Beginning with the 1107 in 1962, the 1100 series has progressed through a succession of eight compatible computer models to the latest system, the 1100/80, introduced in 1977. The 1100 series hardware architecture Is based on a 36-bit word, ones complement structure which obtains one operand from storage and one from a high-speed register, or two operands from high-speed registers. The 1100 Operating System ...

Keywords: 1100 computer series, computer architecture, data management systems, end user facilities, executive control software, multiprocessing, multiprogramming, operating system, programming languages

4   Computing multi-colored polygonal masks in pipeline architecture and its application to automated visual inspection
Jorge L. C. Sanz, Its'hak Dinstein, Dragutin Petkovic
April 1987 **Communications of the ACM**, Volume 30 Issue 4
Publisher: ACM Press

Full text available: pdf(2.56 MB)   Additional Information: full citation, abstract, references, citings, index terms

New techniques for computing multicolored polygonal masks for image analysis and computer vision applications are presented. The procedures do not require random access of the image memory. They are based on efficient generation of coordinate-reference images (ramps) and other simple general purpose architectural features such as look-up tables. The techniques presented are, unlike their predecessors, highly parallel and can be efficiently implemented in existing pipeline image processors. ...

5   Visualizing information spaces: Automatic graphical abstraction in intent-based 3D-illustrations
Antonio Krüger
May 1998 **Proceedings of the working conference on Advanced visual interfaces**
Publisher: ACM Press
Full text available: pdf(1.47 MB)   Additional Information: full citation, abstract, references, citings

The purpose of this paper is to present models, methods and techniques to control automatically the degree of details in graphics or animation in an intelligent way. Instead of just aiming at the technical advantages of such a reduction (i.e. saving computer memory and computational load), this work focuses on clarifying the intention of graphics or animation with the means of abstraction. The goal is to direct the viewer's attention to relevant parts of the graphics, without using metaobjects o ...

6   Metaphor design in user interfaces
Aaron Marcus
May 1998 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 22 Issue 2
Publisher: ACM Press
Full text available: pdf(8.28 MB)   Additional Information: full citation, citings, index terms

7   Towards a model relating DTM accuracy to JPEG compression ratio
Rob Reeves, Kurt Kubik, Maurice Friend
November 1996 **Proceedings of the 4th ACM international workshop on Advances in**

geographic information systems
Publisher: ACM Press
Full text available: pdf(523.74 KB)   Additional Information: full citation, references, index terms

8 HyperActive: extending an open hypermedia architecture to support agency

J. Alfredo Sánchez, John J. Leggett, John L. Schnase
December 1994 **ACM Transactions on Computer-Human Interaction (TOCHI),** Volume 1
Issue 4
Publisher: ACM Press

Full text available: pdf(2.10 MB)   Additional Information: full citation, abstract, references, index terms, review

Agency and hypermedia have both been suggested as powerful means to cope with future information management and human-computer interaction requirements. However, research projects have included interface agents only marginally in the context of hypermedia systems. This article proposes a set of criteria for characterizing interface agents and offers a perspective view of ongoing research in the field using those criteria as a framework. The need to provide a supporting infrastructure that f ...

Keywords: HyperActive, agent-aware hyperbases, interface agents, open hypermedia systems

9 Some raster graphics extensions to the Core System

James D. Foley, James N. Templeman, Dara Dastyar
August 1979 **ACM SIGGRAPH Computer Graphics , Proceedings of the 6th annual conference on Computer graphics and interactive techniques SIGGRAPH '79,** Volume 13 Issue 2
Publisher: ACM Press

Full text available: pdf(1.52 MB)   Additional Information: full citation, abstract, references, citings, index terms

The Core System is a proposed standard subroutine package for line-drawing graphics. We present some Core System extensions for use with raster graphics equipment. The extensions, which are upward-compatible with the present Core System, provide filled polygons, display of arrays of pixels, use of a color look-up table, and hidden-surface or hidden-edge removal. The extensions are being intergrated into an existing Core System implementation.

Keywords: Core system, Interactive graphics, Raster displayes

10 Object data structures towards distributed graphics processing

David Grabel
January 1982 **Proceedings of the 19th conference on Design automation**
Publisher: IEEE Press
Full text available: pdf(547.64 KB)   Additional Information: full citation, abstract, references, index terms

A new approach to interactive graphics processing is described. A system for supporting interactive graphics in a distributed computing environment and its primary data structure are explained. It is compared with traditional display list processing. Its use in an important design automation problem, filling concave polygons, is also explained.

11 Multiresolution curves

Adam Finkelstein, David H. Salesin

July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(906.94 KB)   Additional Information: full citation, abstract, references, citings, index terms
ps(908.68 KB)

We describe a multiresolution curve representation, based on wavelets, that conveniently supports a variety of operations: smoothing a curve; editing the overall form of a curve while preserving its details; and approximating a curve within any given error tolerance for scan conversion. We present methods to support continuous levels of smoothing as well as direct manipulation of an arbitrary portion of the curve; the control points, as well as the discrete nature of the underlying hierarch ...

Keywords: curve compression, curve editing, curve fitting, curve smoothing, direct manipulation, scan conversion, wavelets

12 A high quality, low cost router for MOS/LSI
Roland L. Mattison
June 1972 **Proceedings of the 9th workshop on Design automation**
Publisher: ACM Press

Full text available: pdf(776.48 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents the implementation of an automatic router for the custom design of MOS integrated circuits. Standard cells are utilized for the logical functions and are interconnected by the router according to the specific design being produced. The design program operates at a very low cost and yields results comparable to manual routing. An expansion technique is used which will give 100 percent completion of interconnection. The router will handle any cell size and will route accor ...

13 A comparison of application sharing mechanisms in real-time desktop conferencing systems
S. R. Ahuja, J. R. Ensor, S. E. Lucco
March 1990 **ACM SIGOIS Bulletin , Proceedings of the ACM SIGOIS and IEEE CS TC-OA conference on Office information systems**, Volume 11 Issue 2-3
Publisher: ACM Press

Full text available: pdf(2.65 MB)   Additional Information: full citation, abstract, references, citings, index terms

Desktop conferencing is a term used to describe real-time, computer-based conferences in which users may share data through their personal computers. In these conferences, the participants may access user-level programs, called application programs, which produce common displays (screens or windows) on their computers. Because each participant may give input to the application program and sees its resulting output as though the program were executing on his or her local computer, these appl ...

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Best 200 shown   Relevance scale ☐ ▭ ▬ ■ ■

1   Poster 3: content track: Automatic image orientation determination with natural image ■
statistics
Siwei Lyu
November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**
Publisher: ACM Press
Full text available: 📄 pdf(248.58 KB)   Additional Information: full citation, abstract, references, index terms

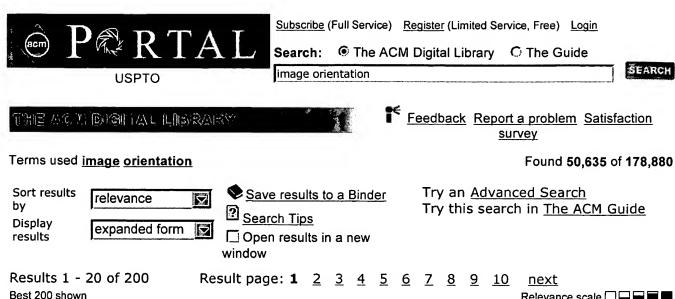In this paper, we propose a new method for automatically determining image orientations. This method is based on a set of natural image statistics collected from a multi-scale multi-orientation image decomposition (e.g., wavelets). From these statistics, a two-stage hierarchal classification with multiple binary SVM classifiers is employed to determine image orientation. The proposed method is evaluated and compared to existing methods with experiments performed on 18040 natural images, where it ...

Keywords: image classification, natural image statistics, orientation determination

2   Document structure and content analysis 2: A fast orientation and skew detection ■
algorithm for monochromatic document images
Bruno Tenório Ávila, Rafael Dueire Lins
November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**
Publisher: ACM Press
Full text available: 📄 pdf(509.46 KB)   Additional Information: full citation, abstract, references, index terms

Very often in the digitization process, documents are either not placed with the correct orientation or are rotated of small angles in relation to the original image axis. These factors make more difficult the visualization of images by human users, increase the complexity of any sort of automatic image recognition, degrade the performance of OCR tools, increase the space needed for image storage, etc. This paper presents a fast algorithm for orientation and skew detection for complex monochroma ...

Keywords: monochromatic document image, orientation and skew detection

3   An object-oriented model for image information representation ■
James Griffioen, Rajiv Mehrotra, Rajendra Yavatkar

December 1993 **Proceedings of the second international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: pdf(1.09 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

4 <u>Orientable textures for image-based pen-and-ink illustration</u>
Michael P. Salisbury, Michael T. Wong, John F. Hughes, David H. Salesin
August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: pdf(1.82 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: controlled-density hatching, direction field, image-based rendering, non-photorealistic rendering, scale-dependent rendering, stroke textures

5 <u>Virtual images: interactive visualization of distributed object-oriented systems</u>
Jean-Yves Vion-Dury, Miguel Santana
October 1994 **ACM SIGPLAN Notices , Proceedings of the ninth annual conference on Object-oriented programming systems, language, and applications OOPSLA '94**, Volume 29 Issue 10
Publisher: ACM Press
Full text available: pdf(1.91 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In spite of growing needs in many areas, there is a lack of powerful graphical interfaces for interacting with large and complex sets of objects. Debugging, management and monitoring tools for object-oriented distributed systems or databases, for instance, need new interfaces that allow high quality visualization and interaction.We propose to use 3D interactive animations for representing large numbers of objects, complex relationships, and dynamic execution of concurrent activit ...

6 <u>Article abstracts with full text online: Web application generator by image-oriented design</u>
Takao Shimomura, Muneo Takahashi, Kenji Ikeda, Yoshio Mogami
March 2003 **ACM SIGSOFT Software Engineering Notes**, Volume 28 Issue 2
Publisher: ACM Press
Full text available: pdf(876.47 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>

With the development of the information society, it has become necessary to release software early that satisfies users. Therefore, it has become important to develop software quickly so that users can try it, and give the developers feedback. Developers make the specifications of a program based on users' requirements, and then design, write, test and debug the program. Through this procedure, the program is completed. However, if we can directly use the image that the users have when we design ...

7 <u>Papers: A page-transition framework for image-oriented Web programming</u>
Takao Shimomura
March 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(1.52 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

To develop Web applications, various integrated development environments have been

used. In addition, several frameworks for efficiently developing those applications have been proposed. This paper presents the image-oriented page-transition framework that models a Web application as a set of transitions of Web pages, and using visual components, makes it easier to write processes executed when a Web page transfers to another Web page. This page-transition framework has the following novel featu ...

Keywords: Web application, automatic code generation, image-oriented design, page-transition framework

8 Object-oriented retrieval mechanism for semistructured image collections

Guang-Ho Cha, Chin-Wan Chung

September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(1.04 MB)   Additional Information: full citation, references, citings, index terms

Keywords: content-based retrieval, image indexing, multimedia database, object-oriented model

9 Support to content-based image query in object-oriented databases

Caetano Traina, Agma J. M. Traina, Rildo R. dos Santos, Edna Y. Senzako

February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**

Publisher: ACM Press

Full text available: pdf(710.18 KB)   Additional Information: full citation, references, index terms

Keywords: data modelling, digital library, image database, medical databases, object oriented database

10 Capture from images: Capture of hair geometry from multiple images

Sylvain Paris, Hector M. Briceño, François X. Sillion

August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(705.59 KB)
mov(21:33 MIN)   Additional Information: full citation, abstract, references, index terms

Hair is a major feature of digital characters. Unfortunately, it has a complex geometry which challenges standard modeling tools. Some dedicated techniques exist, but creating a realistic hairstyle still takes hours. Complementary to user-driven methods, we here propose an image-based approach to capture the geometry of hair.The novelty of this work is that we draw information from the scattering properties of the hair that are normally considered a hindrance. To do so, we analyze image sequence ...

Keywords: 2D Orientation Detection, Hair Capture, Hair Modeling, Reflectance Analysis, Shape from Shading, Signal Processing

11 Spatial querying for image retrieval: a user-oriented evaluation

Joemon M. Jose, Jonathan Furner, David J. Harper

August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press
Full text available: ▣ pdf(1.68 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

12 <u>Computational Approaches to Image Understanding</u>   ■
Michael Brady
March 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: ▣ pdf(10.04 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

13 <u>Research track: Mining viewpoint patterns in image databases</u>   ■
Wynne Hsu, Jing Dai, Mong Li Lee
August 2003 **Proceedings of the ninth ACM SIGKDD international conference on
            Knowledge discovery and data mining**
Publisher: ACM Press
Full text available: ▣ pdf(408.03 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The increasing number of image repositories has made image mining an important task
because of its potential in discovering useful image patterns from a large set of images. In
this paper, we introduce the notion of viewpoint patterns for image databases. Viewpoint
patterns refer to patterns that capture the invariant relationships of one object from the
point of view of another object. These patterns are unique and significant in images
because the absolute positional information of objects for ...

Keywords: image database, image mining, spatial relationship

14 <u>Session 19: biomedical applications: Orientation determination in the 3D</u>   ■
<u>reconstruction of icosahedral viruses using a parallel computer</u>
C. A. Johnson, N. I. Weisenfeld, B. L. Trus, J. F. Conway, R. L. Martino, A. C. Steven
November 1994 **Proceedings of the 1994 ACM/IEEE conference on Supercomputing**
Publisher: ACM Press
Full text available: ▣ pdf(1.20 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

Three dimensional image reconstruction from cryo-electron micrographs allows the capsid
structures of icosahedral viruses to be studied. The most computationally demanding
stages of the reconstruction process are those that find and refine the orientations of the
virus particles. We have devised and implemented parallel solutions to the problem of
determining these orientations. By enabling determination of the orientations of far more
particles than previously had been possible, parallel proces ...

15 <u>Graphics is fun: Band moiré images</u>   ■
Roger David Hersch, Sylvain Chosson
August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3
Publisher: ACM Press
Full text available: ▣ pdf(17.61 MB)
            ⊘ mov(22:8 MIN)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

We propose a new powerful way of synthesizing moiré images that enables the creation of
dynamically moving messages incorporating text, symbols, and color elements. Moiré
images appear when superposing a base layer made of replicated base bands and a
revealing layer made of a line grating comprising thin transparent lines. Each replicated
base band contains the same image, e.g. text or color motifs. Since the base bands and
the revealing line grating have similar periods, the revea ...

Keywords: 2D moirés images, Optical art, band moirés, layer transformations, moiré effect, moiré transformation

16 Papers: Content-oriented categorization of document images

Takehiro Nakayama

August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 2**

Publisher: Association for Computational Linguistics

Full text available: pdf(561.90 KB)   Additional Information: full citation, abstract, references

We have developed a technique that categorizes document images based on their content. Unlike conventional methods that use optical character recognition (OCR), we convert document images into *word shape takens*, a shape-based representation of words. Because we have only to recognize simple graphical features from image, this process is much faster than OCR. Although the mapping between word shape tokens and words is one-to-many, they are a rich source of information for content character ...

17 Posters: Continuous web: a new image-based hypermedia and scape-oriented browsing

Hiroya Tanaka, Katsumi Tanaka

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Publisher: ACM Press

Full text available: pdf(534.83 KB)   Additional Information: full citation, abstract, index terms

Conventionally, Web pages have been recognized as documents described by HTML. Image data, such as photographs, logos, maps, illustrations, and decorated text, have been treated as sub-components of Web documents. However, we can alternatively recognize all Web pages as images on the screen. When a Web page is treated as an *image*, its HTML data is considered to be metadata which describes the image content. Taking such a viewpoint, we propose a new image-based hypermedia which we call ...

Keywords: *hyperimage, images, scape*

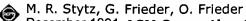**18** Recovering 3D image parameters from corresponding two 2D images

Chaman L. Sabharwal

March 1993 **Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: states of the art and practice**

Publisher: ACM Press

Full text available: pdf(695.81 KB)   Additional Information: full citation, references, index terms

19 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(7.38 MB)   Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

20 <u>Processing images and video for an impressionist effect</u>

Peter Litwinowicz

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: <u>pdf(3.62 MB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>

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